

10/578228

AP20 Rec'd PCT/PTO 04 MAY 2006  
Attorney Docket No. 0670-7074

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
Masaru TANIGUCHI ) New Applications  
Based on PCT/JP2004/016620 )  
Filed: November 2, 2004 )  
For: MODULATING APPARATUS, )  
MOBILE COMMUNICATION )  
SYSTEM, MODULATING METHOD, )  
AND COMMUNICATION METHOD )

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of Patents  
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Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing information known to Applicant and requests that this information be made of record in the above identified application. Copies are submitted herewith in accordance with 37 C.F.R. 1.98(a).

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

10/578228

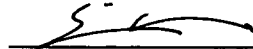
- 2 -

Attorney Docket No. 0670-7074

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U.S. Patent No. 5,761,243; DE 694 30 284; BE 1007528 and EP 0 644 677 are  
in the family of JP 07-177183.

Respectfully submitted,



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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number <b>10/578228</b>	
				Filing Date <b>May 4, 2006</b>	
				First Named Inventor <b>Masaru TANIGUCHI</b>	
				Group Art Unit	
				Examiner Name	
Sheet <b>1</b>	of <b>1</b>	Attorney Docket Number <b>0670-7074</b>			

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
/H.S./		5,761,243		Russell et al.	06/02/1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
/H.S./		JP	07-177183			07/14/1995		Abst. & US equiv.
/H.S./		JP	0 644 677			03/22/1995		Eng.
		DE	694 30 284			03/22/1995	No translation	Family
		BE	1007528			07/25/1995	Not provided	Family
/H.S./		JP	06-252971			09/09/1994		Abst.
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/H.S./		JP	2003-087341			03/20/2003		Abst.
/H.S./		JP	08-237313			09/13/1996		Abst.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>International Search Report for PCT/IP2004/016620</del> No translation	

Examiner Signature	/Hirdepal Singh/	Date Considered	06/18/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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